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WO 2004/024177 A1

(54) Title: METHOD OF TREATING OR PREVENTING OBESITY AND LIPID METABOLISM DISORDERS AND COMPOSITIONS FOR USE THEREIN

(57) Abstract: The present invention provides a method of preventing or treating human obesity, said method comprising ingesting a composition containing, calculated on dry matter: 10-100 wt.% protein hydrolysate; 0-90 wt.% intact protein; 0-50 wt.% carbohydrate; and wherein hydrolysed protein and intact protein together are present in a concentration (w/w) that exceeds the carbohydrate concentration (w/w). The invention also encompasses the use of the same composition in a method of preventing or treating lipid metabolism disorders and in a method for improving body appearance. Other aspects of the invention relate to nutritional beverages, snacks and soups that can advantageously be employed in accordance with the aforementioned methods.

**INTERNATIONAL SEARCH REPORT**

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PCT/NL	03/00641

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A61K38/01 A61P3/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, MEDLINE, BIOSIS, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 77034 A (MARETTE ANDRE ; JACQUES HELENE (CA); LAVIGNE CHARLES (CA); UNIV LAV) 21 December 2000 (2000-12-21) page 6, line 18-21 page 42, line 23-26 page 43, line 1-11; claim 35 ----	1,3-6, 11,14
Y	page 6, line 18-21 page 42, line 23-26 page 43, line 1-11; claim 35 ----	1-19
X	EP 0 425 423 A (HOEIE LARS HENRIK ; NYCOMED AS (NO)) 2 May 1991 (1991-05-02) the whole document ----	1-7,11, 13,14,17
Y	----	1-19 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the International search report
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## INTERNATIONAL SEARCH REPORT

Internation ation No  
PCT/NL U3/U0641

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>AOYAMA T ET AL: "EFFECT OF SOY AND MILK WHEY PROTEIN ISOLATES AND THEIR HYDROLYSATES ON WEIGHT REDUCTION IN GENETICALLY OBESE MICE"            BIOSCIENCE BIOTECHNOLOGY BIOCHEMISTRY, JAPAN SOC. FOR BIOSCIENCE, BIOTECHNOLOGY AND AGROCHEM. TOKYO, JP, vol. 64, no. 12, December 2000 (2000-12), pages 2594-2600, XP001109501            ISSN: 0916-8451            abstract; table 1            page 2598, left-hand column, paragraphs 1-3            page 2599, left-hand column, paragraphs 2,4</p>	1-19
Y	<p>AOYAMA T ET AL: "Soy protein isolate and its hydrolysate reduce body fat of dietary obese rats and genetically obese mice (yellow KK)"            NUTRITION (BURBANK, LOS ANGELES COUNTY, CALIF.) UNITED STATES MAY 2000, vol. 16, no. 5, May 2000 (2000-05), pages 349-354, XP001157216            ISSN: 0899-9007            abstract; tables 1,2            page 352, right-hand column, paragraph 3            -page 353, left-hand column, paragraph 1</p>	1-19
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LAROSA J C ET AL: "EFFECTS OF HIGH-PROTEIN, LOW-CARBOHYDRATE DIETING ON PLASMA LIPOPROTEINS AND BODY WEIGHT" JOURNAL OF THE AMERICAN DIETETIC ASSOCIATION, THE ASSOCIATION, CHICAGO, IL, US, vol. 77, no. 3, September 1980 (1980-09), pages 264-270, XP008013138 ISSN: 0002-8223 the whole document ----- MIKKELSEN PER B ET AL: "Effect of fat-reduced diets on 24-h energy expenditure: Comparisons between animal protein, vegetable protein, and carbohydrate" AMERICAN JOURNAL OF CLINICAL NUTRITION, vol. 72, no. 5, November 2000 (2000-11), pages 1135-1141, XP001157220 ISSN: 0002-9165 the whole document -----	1-19
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